

Claims:

1 (Canceled)

2 (Canceled)

3 (Canceled)

4 (Currently amended) A device as claimed in claim ~~1~~ 2 comprising of:

(a) a pipe means collecting all the gas vented from across the plant process carrying the said gas to knock out drum (KOD) means;

(b) a liquid seal means and piping blind means installed between the said KOD means and a flare stack means;

(c) a pipe means originating from between the said KOD means and the said liquid seal means carrying the gas to a recovery system means;

(d) a pipe means collecting all the gas vented from across the second process and carrying such gas to a second KOD means;

(e) a second liquid seal means and piping blind means installed between the said second KOD means and a second flaring means;

(f) a second pipe means originating from between the said second KOD means and the second liquid seal means carrying the gas to the recovery means; such second pipe means provided with a restricted orifice to control the flow of gas from within it to the said recovery means.

5. (Original) A device as claimed in claim 4 wherein the said second liquid seal means is capable of withstanding higher pressure than the said first liquid seal means.

6. (Original) A device as claimed in claim 4 wherein there is a unitary gas recovery means for plurality of flaring systems.

7 (Canceled)

8 (Canceled)

9 (New) A device comprising:

(a) a bent tube of U shape, such U-tube having one arm connected to a first pipe collecting vented gas released from a plant and leading to a flare stack, another arm connected to a liquid holder;

(b) a second pipe, fitted with a non-return valve, connecting the bottom of the liquid holder to the bottom of the U-tube;

(c) the top of the liquid holder connected to the first pipe leading to the flare stack by a third pipe;

wherein there is provided a piping connecting the top of one arm of the U-tube to the third pipe ;

the U-tube and the liquid holder forming a structure so as to form the only passage available for the gas to escape from the plant to the flare stack;

such gas escaping from the plant to the flare only when the liquid in the said U-tube has been completely displaced into the liquid holder due to the pressure applied by such escaping gas.